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**CONTINUED PROSECUTION APPLICATION (CPA)
REQUEST TRANSMITTAL**

Submit an original, and a duplicate for fee processing
(Only for Continuation or Divisional applications under 37 CFR 1.53(d))

CHECK BOX, if applicable:
 DUPLICATE

Address to: Mail Stop CPA Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Attorney Docket No. of Prior Application	12,105-1
	First Named Inventor	Morris F. Dilmore
	Examiner Name	Daniel J. Jenkins
	Art Unit	1742
	Express Mail Label No.	

This is a request for a continuation or Divisional application under 37 CFR 1.53(d),
(continued prosecution application (CPA)) or prior application number 10 / 039,811

filed on Jan. 8, 2002 entitled METAL CONSOLIDATION PROCESS APPLICABLE TO FUNCTIONALLY GRADIENT*

NOTES

Filing Qualifications: The prior application identified above must be a nonprovisional application that is either: (1) complete as defined by 37 CFR 1.52(b), or (2) the national stage of an international application in compliance with 35 U.S.C. 371. Effective May 29, 2000, a CPA may only be filed in a utility or a plant application if the prior nonprovisional application was filed before May 29, 2000. A CPA may be filed in a design application regardless of the filing date of the prior application. See "Request for Continued Examination Practice changes to and Provisional Application Practice," Final Rule, 65 Fed. Reg. 50092 (Aug. 18, 2000); Interim Rule, 65 Fed. Reg. 14865 (Mar. 20, 2000), 1233 Off. Gaz. Pat. Office (Apr. 11, 2000).

C-I-P NOT PERMITTED: A continuation-in-part application cannot be filed as a CPA under 37 CFR 1.53(d), but must be filed under 37 CFR 1.53(b).

EXPRESS ABANDONMENT OF PRIOR APPLICATION: The filing of this CPA is request to expressly abandon the prior application as of the filing date of the request for a CPA> 37 CFR 1.53(b) must be used to file a continuation, divisional, or continuation-in-part of an application that is not to be abandoned.

ACCESS TO PRIOR APPLICATION: The filing of this CPA will be construed to include a waiver of confidentiality by the applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 CFR 1.14 to access to, copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning, the other application or applications in the file jacket.

35 U.S.C. 120 STATEMENT: In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 CFR 1.78(a).

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

- Enter the unentitled amendment previously filed on _____
Under 37 CFR 1.116 in the prior nonprovisional application.
- A preliminary amendment is enclosed.
- This application is filed by fewer than all the inventor(s) named in the prior application, 37 CFR 1.53(d)(4).
 - DELETE** the following inventor(s) named in the prior nonprovisional application: _____
 - The inventor(s) to be deleted are set forth on a separate sheet attached hereto.
- A new power of attorney or authorization of agent (PTO/SB/81) is enclosed.
- Information Disclosure Statement (IDS) is enclosed;
 - PTO-1449
 - Copies of IDS Citations

Match and Return

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This collection of information is required by 37 CFR 1.53(d). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 24 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop CPA, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

*MATERIAL (FGM) COMPOSITIONS OF TANTALUM AND OTHER MATERIALS



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PTO/SB/29 (05-03)

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CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS (37 CFR 1.16(c) OR (i))	-20* =	0	X \$ _____ =	\$
	INDEPENDENT CLAIMS (37 CFR 1.16(B) OR (i))	-3** =	0	X \$ _____ =	
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))			X \$ _____ =	
				BASIC FEE (37 CFR 1.18)	750.
				Total of above Calculations=	750.
	Reduction by 50% for filing by small entity (Note 37 CFR 1.27).				
	<input checked="" type="checkbox"/> Release claims in excess of 20 and over original patent. <input checked="" type="checkbox"/> Release independent claims over original patent.				
	TOTAL = 750.				
6.	<input type="checkbox"/> Small entity status: Applicant claims small entity status. See 37 CFR 1.27.				
7.	The Director is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. <u>08-0118</u> :				
a.	<input type="checkbox"/> Fees required under 37 CFR 1.16. <input type="checkbox"/> Fees required under 37 CFR 1.17. <input type="checkbox"/> Fees required under 37 CFR 1.18.				
8.	<input type="checkbox"/> A check in the amount of \$ _____ is enclosed.				
9.	<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.				
10.	<input type="checkbox"/> Applicant requests suspension of action under 37 CFR 1.103(b) for a period of _____ months (not to exceed 3 months) and the fee under 37 CFR 1.17(l) is enclosed.				
11.	<input checked="" type="checkbox"/> New Attorney Docket Number, if desired <u>12-516</u> <small>[Prior application Attorney Docket Number will carryover to this CPA unless a new Attorney Docket Number has been provided herein.]</small>				
12.	a. <input type="checkbox"/> Receipt For Facsimile Transmitted CPA (PTO/SB/28A) b. <input checked="" type="checkbox"/> Return Receipt Postcard (Should be specifically itemized, See MPEP 503)				
13.	<input type="checkbox"/> Other: _____				

14. NEW CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label		or <input checked="" type="checkbox"/> New correspondence address below
--	--	---

Name	William W. Haefliger
Address	201 So. Lake Ave., #512
City	Pasadena, CA 91101
Country	USA

15. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print Type)	William W. Haefliger
Signature	
Registration No. (Attorney Agent)	17,120
Date	5/29/03